

hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: March 2, 2004 Signature: _____

Matthias Abrell
(Matthias Abrell)

Attorney Docket No.: 29123/38750A
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Steve Ignatowicz

Application No.: 10/648,469

Filed: August 26, 2003

Art Unit: 2859

For: APPARATUS AND METHOD OF SENSING
THE TEMPERATURE OF A MOLTEN
METAL VEHICLE

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

I hereby certify that the references in this Information Disclosure Statement were cited in an International Search Report issued February 9, 2004, during the prosecution of International Application No. PCT/US03/26581, which corresponds to the above-referenced application, and in accordance with 37 CFR 1.97(c) and (e)(1) or (b)(3), hereby submit these documents for the Examiner's consideration. A copy of the International Search Report and a copy of each reference cited on the PTO/SB/08 is attached.

A summary/abstract translation of the non-English language references is enclosed.

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

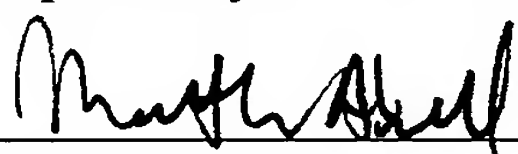
It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

Applicant believes that no fee is due at this time. The Director is hereby authorized to charge any fees which should have been filed herewith to our Deposit Account No. 13-2855, under Order No. 29123/38750A. A duplicate copy of this paper is enclosed.

Dated: March 2, 2004

Respectfully submitted,

By



Matthias Abrell

Registration No.: 47,377

MARSHALL, GERSTEIN & BORUN LLP

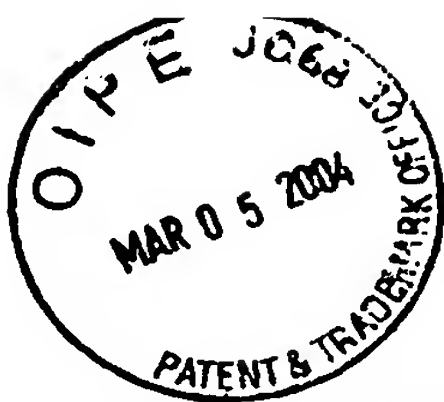
233 S. Wacker Drive, Suite 6300

Sears Tower

Chicago, Illinois 60606-6357

(312) 474-6300

Attorney for Applicant



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

| | | | | | |
|---|---|----|---|--------------------------|------------------|
| Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) | | | | Complete if Known | |
| | | | | Application Number | 10/648,469 |
| | | | | Filing Date | August 26, 2003 |
| | | | | First Named Inventor | Steve Ignatowicz |
| | | | | Art Unit | 2859 |
| | | | | Examiner Name | Not Yet Assigned |
| Sheet | 1 | of | 1 | Attorney Docket Number | 29123/38750A |

| U.S. PATENT DOCUMENTS | | | | |
|-----------------------|--------------------------|--|--------------------------------|--|
| Examiner Initials | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
| | | Number-Kind Code ² (if known) | | |
| | | | | |

| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|--------------------------|---|-----------------------------------|--|------------------------------|
| Examiner Initials | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | English-language Translation |
| | | Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | | | |
| | | JP 10298627 | 11-10-1998 | Akihiko | Abstract only |
| | | JP 63090705 | 04-21-1988 | Shuzo | Abstract only |
| | | JP 6029585 | 02-14-1985 | Tadaaki et al. | Partial translation |
| | | JP 01140001 | 06-01-1989 | Toshio et al. | Abstract only |
| | | JP 60214214 | 10-26-1985 | Kenji | Abstract only |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

| NON PATENT LITERATURE DOCUMENTS | | | |
|---------------------------------|--------------------------|---|----------------|
| Examiner Initials | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
| | | "Monitoring Lining Wear Through Laser Beam Technology-AGA IMS 1600," DAHLBERG ET AL., 865 Iron and Steel Engineer, Vol. 59, Pittsburg, Pennsylvania, November 1982, No. 11, pages 38-43. | |
| | | "On-Line Monitoring of Torpedo Car Shells," BOTELHO ET AL., Proceedings of SPIE, Vol. 4360, Brazil, 2001, pages 277-284. | |
| | | "Thermography in the Condition Monitoring of Refractory Lining," KAUPPINEN ET AL., Part of the SPIE Conference on Thermosense XXI, Orlando, Florida, April 1999, SPIE Vol. 3700, pages 214-226. | |
| | | Copy of International Search Report for International Patent Application No. PCT/US03/26581, dated February 9, 2004, 9 pages. | |

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

| | | | |
|-----------------------|--|--------------------|--|
| Examiner Signature | | Date Considered | |
|-----------------------|--|--------------------|--|